

AMENDMENTS TO THE CLAIMS

1-8. (Cancelled)

9. (Currently Amended) A method of patterning an electroluminescent display while printing a layer of an electroluminescent material, the method comprising the steps of:

forming barrier ribs on a substrate for preventing spread of the electroluminescent material, each barrier rib having an upper portion and selected from the group consisting of polyimide and an acryl-group organic compound;

forming pixel electrodes between the barrier ribs after forming the barrier ribs on the substrate;

providing a molding plate disposed on a molding roller, said molding plate containing a plurality of convex and concave portions, said convex portions defining lands and having a plurality of indentations for helping the lands pick up and retain a greater amount of the electroluminescent material ~~firmly~~;

providing the substrate adjacent to the molding roller;

applying the electroluminescent material to the lands of the molding plate, wherein the electroluminescent material including a polymer solution is firmly picked up by the indentations;
and

printing the electroluminescent material on the lands from the molding plate onto the pixels electrodes between the barrier ribs by rotating the molding roller, thereby patterning the electroluminescent display during said step of printing, wherein the upper portions of the barrier ribs are in contact with the pixel electrodes and the electroluminescent material on the pixel electrodes,

wherein the lands protrude in a stripe shape.

10. (Original) The method according to claim 9, wherein the applying and printing steps are repeated to form red, green and blue pixel patterns on the substrate.

11. (Cancelled)

12. (Previously Presented) The method according to claim 9, wherein each of the barrier ribs defines a boundary between pixels.

13. (Previously Presented) The method according to claim 9, wherein an upper portion of the barrier rib overlaps an edge of a pixel electrode.

14. (Previously Presented) The method according to claim 9, wherein the height of the barrier rib is larger than the combined thickness of the electroluminescent material and adjacent pixel electrode.

15. (Cancelled)

16. (Previously Presented) The method according to claim 9, wherein a material of the barrier rib is selected from the group consisting of polyimide and an acryl-group organic compound.

17. (Cancelled)

18. (Previously Presented) The method according to claim 9, wherein the step of applying the electroluminescent material includes:

EHC/GH/ma

coating a supply roller with the electroluminescent material; and
rotating both the supply roller and the molding roller so that the land on each of the convex portions contacts the electroluminescent material on the supply roller.

19. (Previously Presented) The method according to claim 18, wherein the coating step includes the step of:

controlling the electroluminescent material to have a substantially uniform thickness on the supply roller.

20. (Previously Presented) The method according to claim 9, wherein the barrier rib is positioned between the pixels adjacent to each other and formed in the shape of a stripe.

21. (Previously Presented) The method accordingly to claim 9, wherein the barrier rib is positioned between adjacent pixels and formed in the shape of a lattice.

22. (Previously Presented) The method according to claim 9, wherein the electroluminescent material covers the lands to a thickness of less than 1000 Å.

23. (Previously Presented) The method according to claim 9, wherein after the electroluminescent material is printed onto the substrate, the electroluminescent material deforms to have an even surface.

24. (Previously Presented) The method according to claim 23, wherein the electroluminescent material is heated.

25. (Previously Presented) The method according to claim 9, wherein the substrate is a glass substrate.

26. (Cancelled)

27. (Currently Amended) A method of patterning an electroluminescent display, comprising:

providing a molding plate disposed on a molding roller, said molding plate containing a plurality of convex and concave portions, said convex portions defining lands;

forming barrier ribs on a substrate for preventing spread of the electroluminescent material, each barrier rib having an upper portion and selected from the group consisting of polyimide and an acryl-group organic compound;

forming pixel electrodes on the substrate between the barrier ribs after forming the barrier ribs on the substrate;

applying the electroluminescent material to the lands of the molding plate, wherein the electroluminescent material includes a polymer solution; and

printing the electroluminescent material on the lands from the molding plate onto the pixels electrodes between the barrier ribs by rotating the molding roller, thereby patterning the electroluminescent display during said step of printing, wherein the upper portions of the barrier ribs are in contact with the pixel electrodes and the electroluminescent material on the pixel electrodes,

wherein the lands protrude in a stripe shape.

28-29. (Cancelled)